



भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 3] नई दिल्ली, शनिवार, जनवरी 20, 1990, (पौष 30, 1911)
No. 3] NEW DELHI, SATURDAY, JANUARY 20, 1990 (PAUSA 30, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 20th January, 1990

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, 3rd Floor, Lower Parel (West),
Bombay-400 013

Telegraphic address "PATOFFICE".

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building, Saraswati Marg, Karol Bagh,
New Delhi-110 005

Telegraphic address "PATENTOFIC".

The States of Harviana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

1—427 GI/89

Patent Office Branch,
61, Wallajah Road,
Madras-600 002

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive,

Minicoy and Amindivi Islands.

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Telegraphic address "PATENTS".
Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 20 जनवरी 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रावधिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में वर्णित हैं :—

पेटेंट कार्यालय शाखा,
टोली इस्टेट
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013.

तार पता—“पेटेंटोफिस” ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गीजा, दमन तथा दिव
एवं दादरा और नगर हवेली ।

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोलबाग,
नई दिल्ली-110 005.

तार पता—“पेटेंटोफिस” ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
जंजीरू तथा दिल्ली ।

पेटेंट कार्यालय शाखा,
61, बालाजिह रोड,
मद्रास-600 002.

तार पता—“पेटेंटोफिस” ।

आंध्र प्रदेश, कर्नाटक, कोरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिकाम तथा एमिनिदिब द्वीप ।

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7 वां तल,
234/4, आचार्य अंगदीश बोस रोड,
कलकत्ता-700 020.

तार पता—“पेटेंट्स” ।

भारत का अवश्य क्षेत्र ।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय में केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी
अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश
अथवा डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस
स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक
ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed Under Section 135, of the Patents Act, 1970.

The 13th December, 1989

1028/Cal/89. Kali Sankar Biswas. Pollution-free preserva-
tion.

1029/Cal/89. Imdut International B.V. Automatic pro-
cess for manufacturing, filling and evacuating
large containers of the tube-bottom type.

1030/Cal/89. Westinghouse Electric Corporation. Improve-
ments in or relating to wedged, overlapping
hook tire joint.

1031/Cal/89. Prasanta Kumar Mahapatra. 110 volt direct
current power converter system animal power.

1032/Cal/89. Samsung Electron Devices Co., Ltd. Power
mixing device.

The 14th December, 1989

1033/Cal/89. Mr. Sachindra Kishore Chakrabarty and
Mrs. Archana Chakraborty. A water energy
converter.

1034/Cal/89. E.I. Du Pont De Nemours and Company.
Yarn winding apparatus and process.

1035/Cal/89. Siemens Aktiengesellschaft. Method for
producing the stator of a heavy electric machine.

1036/Cal/89. Hoechst Aktiengesellschaft. New copolymers,
mixtures thereof with poly (meth) acrylate
esters and the use thereof for improving the
cold fluidity of crude oils.

The 15th December, 1989

1037/Cal/89. Galic/Mans Ventures. Method and appa-
ratus for molding articles.
[Divisional dated 4th May, 1987]

1038/Cal/89. United Technologies Corporation. Inertia
welding of articles and articles thus formed.

1039/Cal/89. United Technologies Corporation. Method of attaching ceramic fiber arrays to metallic substrates and substrates thus formed.

1040/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to transformers and cores for transformers.

The 18th December, 1989

1041/Cal/89. Eli Lilly and Company. Macrolide compounds.

1042/Cal/89. Texaco Development Corporation. Separable quench ring and distribution channel for a gasification reactor.

1043/Cal/89. Pennwalt Corporation. Stabilized sulfur dissolving compositions.

1044/Cal/89. United Technologies Corporation. Rate biased signal noise clipper.

1045/Cal/89. United Technologies Corporation. Gas turbine abradable seal preliminary coating.

1046/Cal/89. Timex Corporation. Three hand movement for a timepiece having a stepping motor.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, 3RD FLOOR, KAROL BAGH,
NEW DELHI-55

The 15th November, 1989

1055/Del/89. Daya Ranjit Sananayake, "Diamond sawing process".

(Convention date 16th November, 1988) (Sri Lanka).

1056/Del/89. Samsung Electron Devices Co., Ltd., "Protecting base for connecting pin of cathode ray tube".

1057/Del/89. Samsung Electron Devices Co., Ltd., "Drying device for inner graphite layer of color picture tube funnel".

1058/Del/89. Akerlund & Rausing Licens Aktiebolag, "Reclosing arrangement for squarely cross cut containers".

1059/Del/89. Imperial Chemical Industries PLC, "Reactive dyes".

(Convention date 2nd December, 1988) (U.K.).

The 16th November, 1989

1060/Del/89. Idemitsu Petrochemical Co. Ltd., "A process for preparing linear α -olefins".

1061/Del/89. Samsung Electron Devices Co. Ltd., "Sample preparing method for phosphor layer of cathode ray tube".

1062/Del/89. Samsung Electron Devices Co. Ltd., "Phosphor slurry spreading device".

1063/Del/89. Thomson CSF, "Multiplier adder in the galois fields, and its use in a digital signal processing processor".

1064/Del/89. Thomson CSF, "Switching over, automatic matching filter for radio transmitter and/or receiver".

1065/Del/89. The Gillette Co, "A method for making a cutting edge".
[23rd January, 1987].

1066/Del/89. The Australian Gas Light Co. & Atochem Australia Pty. Ltd, "Adhesive".
(Convention date 18th November, 1988) (Australia).

The 17th November, 1989

1067/Del/89. Thomson-CSF, "Method and device for the demodulation of digital data transmitted by frequency hopping on an ionospheric transmission channel".

1068/Del/89. Thomson-CSF, "Device for the setting up and routing of telephone calls between subscribers of a radio network and/or of a wired telephone network".

1069/Del/89. Societe Europeenne De Propulsion, "Rocket engine expansion nozzle with complementary annular nozzle".

1070/Del/89. De La Rue Giori S.A., "Ink duct for a printing machine".

1071/Del/89. Baroid Technology, Inc, "Oil field tubular connection".

1072/Del/89. Wisconsin Alumni Research Foundation, "19-NOR-vitamin D compounds".

[Convention date 22nd September, 1989 (Canada)].

The 20th November, 1989

1073/Del/89. Whirlpool Corporation, "Domestic appliance panels and method of forming same".

1074/Del/89. The Procter & Gamble Co., "Process for producing chewing gum".

(Convention date 25th November, 1988 & 21st June, 1989) (U.K.).

1075/Del/89. Steel Authority of India Ltd, "An improved lance for blowing oxygen into molten in L.D. converters".

1076/Del/89. Raghunath Prasad Teacher, "The multipurpose loom".

The 20th November, 1989

1077/Del/89. Comalco Aluminium Ltd, "Ceramic microspheres".

(Convention date 22nd November, 1988) (Australia).

1078/Del/89. GEC Alsthom S.A., "A high tension circuit-breaker having a dielectric gas under pressure".

1079/Del/89. Lenzing Aktiengesellschaft, "Improvements in or relating to flame-retardant high-temperature resistant paperlike materials based on polyimide fibers".

1080/Del/89. Facep S.P.A., "Prefabricated structure for use in building industry".

1081/Del/89. The Lubrizol Corporation, "Liquid compositions containing carboxylic esters".

The 21st November, 1989

1082/Del/89. Telemecanique, "A power switching circuit, in particular for a frequency converter".

1083/Del/89. Khmel'nitsky Tekhnologicheskyy Institut Bytovo Obsluzhivaniya, "Data input device".

1084/Del/89. Imperial Chemical Industries PLC, "Process for formulating waxed pellets".
(Convention date 5th December, 1988) (U.K.).

1085/Del/89. M & I Heat Transfer Products Ltd, "Air handling system".

(Convention date 22nd September, 1989) (Canada).

1086/Del/89. Vacex AB, "A method and device for creating low pressure in a closed vessel".

1087/Del/89. Westmart Hill Ltd, "Method for the preparation of new antimicrobial phenazine derivatives".
(Convention date 23rd November, 1989) (Ireland).

1088/Del/89. Contra Shear Holdings Ltd., "Pressure fed separation apparatus".

(Convention date 22nd November, 1988) (New-zealand).

1089/Del/89. Steel Authority of India Ltd., "An instrument for measuring dimensions of hot moving bars during rolling".

The 23rd November, 1989

1090/Del/89. Sujoy Kumar Guha, "Automatic readout hemoglobinometer independent of volumetric measurement and chemical processing".

1091/Del/89. Vijai Kumar Jain & Kesho Dass Jain, "Conservation of fuel and pollution controller in automotive vehicle and other equipment".

1092/Del/89. Koenig AG, "A plant for purifying polluted air".

(Convention date 30th November, 1988) (Canada).

1093/Del/89. Bayer Aktiengesellschaft, "Process for the preparation of magnetic iron oxides and the pigments obtained therefrom".

1094/Del/89. Pfizer Inc, "Quinuclidine therapeutic agents".

1095/Del/89. Krupp Polysius AG, "Separator".

1096/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of novel sodium p-[(12- α -dihydroartemisininoxy) methyl] benzoate, useful as an antimalarial drug".

1097/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of high purity super fine alpha alumina useful as precursor for advanced ceramics".

1098/Del/89. Council of Scientific & Industrial Research, "An improved process for making foam insulation refractories from alumina kyanite, china-clay, fireclay and other refractory materials".

1099/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of 4-cyano-2, 8-Bis-(Trifluoromethyl) quinoline".

1100/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of 2-pyridyl-2, 8-Bis-(Trifluoromethyl)-4-quinolyl ketone".

1101/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of 2-pyridyl-2, 8 Bis-(Trifluoromethyl)-4-quinolyl ketone".

1102/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of mefloquine hydrochloride".

1103/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of mefloquine hydrochloride".

1104/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of a water dispersible acrylic copolymer for use as a retanning agent".

1105/Del/89. Council of Scientific & Industrial Research, "An apparatus for automatic extinguishment of flammable liquid fires in fixed/floating roof oil storage tanks by dry chemical powder (DCP) fire extinguishant".

1106/Del/89. Council of Scientific & Industrial Research, "An apparatus for automatic extinguishment of flammable liquid fires in fixed/floating roof oil storage tanks by injecting foam".

1107/Del/89. Council of Scientific & Industrial Research, "A fixed roof type flammable liquid storage tank".

1108/Del/89. Council of Scientific & Industrial Research, "A process for the production of spheroidised high strength low alloy steels for soft magnetic applications".

1109/Del/89. Council of Scientific & Industrial Research, "A process for the production of spheroidised high strength low alloy steels for soft magnetic applications".

1110/Del/89. Council of Scientific & Industrial Research, "The preparation of cadmium selenide films by a selective plating technique".

1111/Del/89. Council of Scientific & Industrial Research, "A process for the production of beta picoline and pyridine from acetaldehyde, formaldehyde and ammonia".

1112/Del/89. Council of Scientific & Industrial Research, "A process for the production of an extreme pressure industrial gear oil using sulphurized jojoba oil".

The 24th November, 1989

1113/Del/89. Abro Balancing Machines (P) Ltd, "An improved method of measuring forces or vibrations in dynamic balancing machines".

1114/Del/89. George Robert Geller, "A method for manufacture of an improved fabric". [Divisional date 14th January, 1987].

1115/Del/89. Ronald E. Hughes, "Process for producing a dry granular product".

1116/Del/89. Motorola Inc, "Active signalling transmitter control".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUNHILL COMPOUND, LOWER PAREL(W), BOMBAY-13

The 27th November, 1989

327/Bom/1989. Ped Limited. 24th November, 1988, U.K. An armature/actuator for a relay.

328/Bom/1989. Vipin C. Shah, Amar S. Choudhary & Dr. Koushal K. Tiwari. A fuel efficient combustion engine.

The 28th November, 1989

329/Bom/1989. Laxman R. Divekar. The multi-liner,—a geometrical instrument.

330/Bom/1989. Waggon Union GmbH. Connection of two Multi-axle travelling gears to a group of travelling gears for rail cars.

The 1st December, 1989

331/Bom/1989. Niranjana Jain. Nature powered civil air transport system.

332/Bom/1989. Sanjay R. Shah. A process for the manufacture of silica from silicate slag particularly phosphoric plant silicate slag.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 4th December, 1989

880/Mas/89. Minnesota Mining and Manufacturing Company. Electrolytic etch for preventing electrical shorts in solar cells on polymer surfaces.

881/Mas/89. Minnesota Mining and Manufacturing Company. A light transmitting electrically conductive stored films.

882/Mas/89. Minnesota Mining and Manufacturing Company. Smoothly removable cover tape for electronic component carrier.

883/Mas/89. Hari Sen Gupta. A back wash device suitable for back washing systems such as liquid pre-purifier.

884/Mas/89. Sorg GmbH & Co. KG. Electrode for a glass melting furnace.

The 5th December, 1989

885/Mas/89. Dr. G. Gandhi B.V.S.C. A monitoring device for regulating day to-day husbandry practices towards enhancement of (dairy/poultry/fishery) productions.

886/Mas/89. Aaron Shafir. Apparatus for digitizing the contour of a three dimensional surface, particularly useful for preparing a dental crown.

887/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A process for preparing oleophilic basic amine compounds as an additive for invert drilling muds.

888/Mas/89. Henkel Kommanditgesellschaft auf Aktien. Monocarboxylic acid methylesters in invert drilling muds.

889/Mas/89. Maschinenfabrik Rieter AG. A feed table of a drawframe arrangement.

890/Mas/89. Battelle Memorial Institute. Process for producing sub-micron ceramic powders of perovskite compounds with controlled stoichiometry and particle size.

891/Mas/89. Barmag AG. Takeup machine.

The 6th December, 1989

892/Mas/89. C. Devadass. Conversion of mica into steel hard metal.

893/Mas/89. Alan Joseph Mutch & Raymond sheldon. Electrical fault detecting device.

(December 7, 1988; United Kingdom).

894/Mas/89. Nucleus Enterprise Limited. Controlled impregnation coating of compressible material such as open cell foam. (December 9, 1988; United Kingdom).

The 7th December, 1989

895/Mas/89. N. Mallikarjunan & N. Ravishanker. Auto stop & auto start water level controller.

896/Mas/89. K. H. Abdul Hameed Noor. Reel Agarbathi.

897/Mas/89. (1) Sarma Sundaram & (2) Ceat Tyres of India Ltd. A FRP underground petroleum storage tank.

898/Mas/89. Chemfab Alkalies Limited. The manufacture of barium sulphate as a byproduct in the chlor alkali industry.

899/Mas/89. Parthasarathy Ranganathan Vijaya Raghavan. An improved hot plate.

900/Mas/89. Ammonia Casale S.A. System for increasing co conversion in pre-existing reactors, and reactors obtained accordingly.

901/Mas/89. Ammonia Casale S.A. Improvements to reactors for heterogeneous synthesis.

902/Mas/89. Ammonia Casale S.A. Reactor for exothermic heterogeneous catalytic synthesis.

The 8th December, 1989

903/Mas/89. Maschinenfabrik Rieter (AG. Apparatus for opening bales of textile fibers.

904/Mas/89. Maschinenfabrik Rieter AG. Method of cleaning a card cliver.

905/Mas/89. IMZ Fertigungs-und Vertriebsgesellschaft für dentale Technologie mbH. Enossal Implant.

906/Mas/89. IMZ Fertigungs-und Vertriebsgesellschaft für dentale Technologie mbH. Implantable fixing means for extraoral applications.

907/Mas/89. Axel Kirsch. Plug connection.

908/Mas/89. Dr. Axel Kirsch and Eberle Medizintechnische Elemente gmbH. Enossal individual tooth implant and locking tool for use with such an implant.

909/Mas/89. FMC Corporation. A helical roller assembly for the container translating and orienting apparatus.

(Divisional to Patent Application No. 60/Mas/86).

OPPOSITION PROCEEDINGS

The opposition entered by The Hindustan Lever Limited to grant of a patent on the application for Patent No. 164320 as notified in Gazette of India Part III Section 2 dated the 9th September, 1989 is deemed to have not been launched and a patent has been ordered to be sealed on the application.

OPPOSITION PROCEEDINGS

The opposition entered by M/s. Balsara Hygiene Products Ltd. to grant of a patent on the application for Patent No. 164709 as notified in Gazette of India, Part III, Section 2 dated the 9th December, 1989 is deemed to have not been launched and a Patent has been ordered to be sealed on the application.

PATENTS SEALED

161008	161009	162183	164282	164320	164383	164395
164525	164577	164604	164638	164639	164640	164644
164647	164648	164650	164651	164654	164655	164656
164660	164662	164664	164665	164667	164668	164669
164670	164675	164680	164682	164683	164684	164686.
CAL	- 19					
DEL	- 8					
MAS	- 6					
BOM	- 2					

AMENDMENT PROCEEDING UNDER SECTION 57

Proposed amendments under Section 57 of the Patents Act, 1970, in respect of Patent No. 164718 (373/Mas/85) as advertised in the Gazette of India dated 5-8-89 have been allowed.

RNEEWAL FEES PAID

143874	144675	145687	146532	146670	148685	148898
149306	149461	149480	149509	149514	149799	149997
151823	151909	152364	152370	152515	152702	153265
153402	153585	154808	155629	155700	155827	155958
156183	156251	156415	156437	156914	156915	157005
157017	157213	157511	157903	157925	157927	157974
158014	158126	158258	158299	158582	158987	159238
159267	159519	159609	160487	160703	160793	160803
161471	161516	162050	162059	162072	162361	162584
162688	162689	162711	162759	162777	162824	162850
162971	162983	162986	162988	163007	163009	163010
163011	163043	163064	163086	163097	163129	163142
163143	163148	163151	163156	163202	163224	163291
163292	163303	163317	163341	163342	163346	163363
163403	163406	163427	163428	163483	163604	163615
163758	163771	163781	163852	163858	163925	163926
163929	163935	163947	163991	163998	164026	164116
164141	164145	164153	164154	164163	164167	164199
164200	164245	164248	164295	164403	164475	164510
164533	164535	164571	164574	164576	164600.	

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154457 granted to Cosden Technology, Inc for an invention relating to "Process for selectively producing liquid polyisobutenes".

The patent ceased on the 2nd September 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 2-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 160423 dated the 19th January 1985 made by Sengodan Kandasami on the 13th March 1989 and notified in the Gazette of India, Part III, Section 2 dated the 22nd July 1989 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 160316 dated the 15th March 1984 made by SO "PERUN" on the 21st December 1988 and notified in the Gazette of India, Part III, Section 2 dated the 15th April 1989 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156736 granted to Suresh Devarao Koondaje for an invention relating to "a sheet material shredding device".

The patent ceased on the 20th October 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 18-11-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 154715 granted to Oronzio De Nora Impianti Electrochimici S.P.A. for an invention relating to "a process for preparing a homogeneous phase of mixed Oxide of at least two different metals".

The patent ceased on the 12th December 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161241 granted to Energy Conversion Devices, Inc. for an invention relating to "photo-voltaic device incorporating improved back reflector means".

The patent ceased on the 22nd February 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151553 granted to Continental Pharma for an invention relating to "apparatus for proportioning malondialdehyde".

The patent ceased on the 26th October 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 157258 granted to Ortner Freight Car Company for an invention relating to "actuating and locking mechanism for the hopper doors of a railroad hopper car".

The patent ceased on the 26th October 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road,

Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149088 granted to Societe Lab for an invention relating to "process and apparatus for separating impurities contained in liquid of gaseous fluids in suspension by Centrifugal treatment and installation comprising plurality of said apparatus".

The patent ceased on the 24th November 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162871 granted to Iqbal Arishna Bharati for an invention relating to "a fuel supplying apparatus".

The patent ceased on the 3rd July 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 9-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March, 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(11)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153607 granted to Societe Lab for an invention relating to "improvements in Centrifugal separators of the Cyclone type".

The patent ceased on the 15th November 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 9-12-1989.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 20th March 1990 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(12)

Notice is hereby given an application for restoration of Patent No. 154368 dated the 20th January 1982 made by Kannappan Narayanaperumal on the 28th December 1988 and notified in the Gazette of India, Part III, Section 2 dated the 15th April 1989 has been allowed and the said Patent restored.

Name Indexes of Applications for Patents for the month of February, 1989 (Nos. 103/Cal/89 to 171/Cal/89, 26/Bom/89 to 50/Bom/89, 84/Mas/89 to 170/Mas/89, 96/Del/89 to 184/Del/89)

Name	Appln. No.
A	
T.E. Bishop & Associates Pty. Ltd.—121/Cal/89.	
Abplanalp, R. H.—163/Mas/89.	
Adidas Fabrique De Chaussures De Sport Sarl.—157/Del/89.	
Aerospatiale Societe Nationale Industrielle.—126/Cal/89.	
Ahlstron Corporation.—123/Mas/89.	
Air Products & Chemicals.—103/Cal/89.	
Aisa Automation Industrielle S.A.—111/Cal/89.	
Albrecht Wuthrich Maschinen & Machanik AG.—90/Mas/89.	
Alcan International Ltd.—111/Mas/89, 112/Mas/89.	
Alfa-Laval Food & dairy engineering ab.—165/Cal/89.	
Allied Signal Inc.—163/Del/89.	
Anand, S.—96/Del/89.	
Armco Advanced Materials Corporation.—141/Cal/89, 142/Cal/89, 143/Cal/89, 144/Cal/89.	
Asea Brown Boveri Ltd.—85/Mas/89.	
Astra Pharmaceuticals Private Limited.—98/Del/89.	
Astra Research Centre India.—84/Mas/89, 107/Mas/89.	
B	
B. F. Goodrich Co. The.—113/Del/89, 150/Del/89, 162/Del/89.	
B P Chemicals Ltd.—112/Del/89, 116/Del/89, 117/Del/89, 174/Del/89.	
Baliga, K. K.—42/Bom/89.	
Banerjee, T.—138/Cal/89, 139/Cal/89.	
Bass, J. S.—30/Bom/89.	
Battelle Memorial Institute.—101/Mas/89.	
Beecham Group PLC.—89/Mas/89, 148/Mas/89.	
Bentech Laboratories, Inc.—133/Mas/89.	
Better Life International, Inc.—155/Del/89, 156/Del/89.	
Bhave, S. A.—31/Bom/89, 32/Bom/89.	
Bhide, P. G.—35/Bom/89.	
Birla Research Institute for applied Science.—39/Bom/89.	
Borodulin, G.—111/Del/89.	
C	
C. R. Bard, Inc.—159/Mas/89.	
Calgene Inc.—113/Mas/89.	
Caterpillar Inc.—91/Mas/89.	
Chandrashekar, V.—155/Mas/89, 156/Mas/89.	
Channapragada, R. S.—143/Del/89.	
Charbannages De Franch (Etablissement public).—166/Mas/89.	
Chauhan, B. P. S.—160/Del/89.	
Chauhan, R. S.—33/Bom/89.	
Chawla, S. K.—144/Del/89.	

Name	Appln. No.
C—Contd.	
Chowdhuri, B. K.—124/Cal/89.	
Clarence Sexton freeman.—122/Cal/89.	
Coflexip.—180/Del/89.	
Cole, H. W. Jr.—127/Mas/89.	
Comalco Ltd.—108/Mas/89.	
Compagnie Europenne Du Zirconium Cezus.—106/Mas/89.	
Copeland Corporation.—162/Cal/89.	
Council of Scientific & Industrial Research.—107/Del/89, 153/Del/89.	
Crestmoore Ltd.—102/Del/89.	
D	
Dadhwal, S.—136/Del/89.	
Dana Corporation.—143/Mas/89.	
Das, S. K.—133/Del/89.	
Das, U. K.—137/Cal/89.	
Debreceni Mezogadasagi Gepgyarto Vallalat.—148/Cal/89.	
Dhara, M.—154/Del/89.	
Director, The.—88/Mas/89.	
Door-Oliver Incorporated.—108/Del/89.	
E	
E.I. Du Pont de nemours & Co.—109/Cal/89, 145/Cal/89, 168/Cal/89, 169/Cal/89.	
Earth Chemical Co. Ltd.—129/Del/89.	
Electro Erg Ltd.—166/Cal/89.	
Eliezer, K.—99/Mas/89.	
Elkem A/S.—145/Mas/89.	
Emitec Gesellschaft fur Emissionstechnologie Mbh.—108/Cal/89, 140/Cal/89, 147/Cal/89.	
Erich-Klaus Martin.—137/Mas/89.	
Explosivos Alaveses.—167/Del/89.	
Exxon Chemical Patent Inc.—148/Del/89.	
Exxon Research & Engineering Co.—126/Del/89, 171/Del/89.	
F	
F. L. Smidth & Co. A/S.—132/Mas/89.	
Farrel Corporation.—149/Del/89.	
Fidia, S.p.A.—155/Cal/89.	
Fisher Controls International, Inc.—160/Mas/89.	
Foseco International Ltd.—97/Mas/89.	
G	
Garware-Wall R & D Division.—37/Bom/89.	
Gencorp Inc.—140/Del/89, 161/Del/89.	
George, M. Dr.—122/Mas/89.	
George Stan Baranescu.—103/Del/89.	
Gerin, M.—134/Mas/89.	
Ghosh, B.—134/Mas/89.	
Glidden Co. The.—127/Cal/89.	
Gogte, A. V.—45/Bom/89, 46/Bom/89.	
Gould Inc.—157/Cal/89.	
Guha, A. B.—138/Cal/89.	
Gujarat Communication & Electronics Ltd.—38/Bom/89.	
Gullick Dobson Ltd.—113/Cal/89.	

Name	Appln. No.
H	
Hans Oetiker Ag.—Maschinenfabrik und Apparatefabrik.—123/Cal/89.	
Harnischfeger Corporation.—163/Cal/89.	
Henkel Kommanditgesellschaft auf Aktien.—114/Mas/89.	
Hindustan Lever Ltd.—28/Bom/89, 29/Bom/89, 47/Bom/89, 48/Bom/89.	
Hoechst Aktiengesellschaft.—164/Mas/89.	
Hoogovens Group B V.—105/Mas/89, 146/Mas/89.	
HULS Aktiengesellschaft.—131/Mas/89.	
I	
Improver Corporation.—100/Mas/89.	
Industrial Management Co.—177/Del/89.	
Institut Francais Du Pétrole.—170/Mas/89.	
Institut Merieux.—104/Cal/89, 105/Cal/89.	
Intel Gasegards Pvt. Ltd.—145/Del/89.	
Interlego AG.—176/Del/89, 178/Del/89.	
International Mobile Machines Corporation.—184/Del/89.	
International Paint Public Ltd. Co.—138/Del/89, 139/Del/89.	
Inventio AG.—102/Mas/89.	
Ion Exchange (India) Ltd.—43/Bom/89, 44/Bom/89.	
J	
J & D Wilkie Ltd.—128/Mas/89.	
Jain, S. S.—120/Del/89, 121/Del/89, 122/Del/89, 127/Del/89.	
John Crane UK Ltd.—151/Del/89.	
Joseph, D. S. L.—162/Mas/89.	
Joy, P. T.—41/Bom/89.	
K	
Kalachari, C.—150/Mas/89.	
Kawasaki Steel Corporation.—158/Cal/89.	
Koppelman, E.—159/Cal/89.	
Krishna, A. H.—121/Mas/89.	
Krishnakumar, U.—95/Mas/89.	
Kulkarni, S. K.—34/Bom/89.	
Kumar, R. V.—157/Mas/89.	
L	
Laboratories Boiron S.A.—101/Del/89.	
Lanxide Technology Co., Lp.—117/Cal/89, 156/Cal/89.	
Latha, S. H.—121/Mas/89.	
Lenzing Aktiengesellschaft.—164/Cal/89, 168/Del/89.	
Links Promoters Ltd.—151/Mas/89.	
Lubrizol Corporation, The.—114/Del/89.	
Lucas Industries Public Ltd. Co.—104/Mas/89, 147/Mas/89.	
M	
M. A. Shah & Co.—119/Cal/89.	
M & T Chemicals Inc.—110/Del/89.	
Maersk Olie OG Gas A/S.—152/Del/89.	
Majumdar, A.—107/Cal/89.	
Majumdar, S.—107/Cal/89.	
Marathe Research Foundation.—36/Bom/89.	

Name	Appln. No.
M—Contd.	
Maschinenfabrik Rieter AG.—115/Mas/89, 116/Mas/89, 117/Mas/89, 118/Mas/89, 119/Mas/89, 120/Mas/89, 142/Mas/89, 167/Mas/89, 168/Mas/89.	
Mec A/S.—110/Cal/89.	
Metallgesellschaft Aktiengesellschaft.—112/Cal/89.	
Mezhotraslevoi Nauchno-Tekhnichesky Komplex "Mikrokhiru Rgia Glaza".—99/Del/89.	
Microgenesys, Inc.—106/Del/89.	
Minnesota Mining & Manufacturing Co.—103/Mas/89, 124/Mas/89, 136/Mas/89, 140/Mas/89, 144/Mas/89, 165/Mas/89.	
Mitsui Toatsu Chemicals Incorporated.—114/Cal/89, 161/Cal/89.	
Mitutoyo Corporation.—118/Cal/89.	
Moltech Invent S. A.—141/Mas/89.	
Motorola, Inc.—128/Del/89.	
Mukherjee, C. R.—167/Cal/89.	
N	
Nair, K. A.—121/Mas/89.	
Namjoshi, A. N.—50/Bom/89.	
Natarajan, S.—109/Mas/89.	
National Research Development Corporation.—181/Del/89.	
Nauchno-Issledovatel'sky Institute Tekhnologii I Bezopasnosti Lekarstvennykh Sredstv.—142/Del/89.	
Nedella.—161/Mas/89.	
Neelakantan, O. M.—94/Mas/89.	
Nirody, S. J. Mrs.—49/Bom/89.	
Nitrokemia Ipartelepik.—115/Cal/89, 116/Cal/89.	
Normalair-Garett (Holdings) Ltd.—98/Mas/89.	
Norsk Hydro a.s.—183/Del/89.	
Novo Industri A/S.—125/Mas/89.	
O	
Otto India Private Ltd.—128/Cal/89.	
P	
Pall Corporation.—126/Mas/89.	
Paramount Sinters Pvt. Ltd.—27/Bom/89.	
Phillips Petroleum Co.—131/Cal/89.	
Polymer Papers Ltd.—104/Del/89, 105/Del/89.	
Prasad, M. V. S. S.—138/Mas/89.	
Pre-Mac (Kent) Ltd.—149/Mas/89.	
Process Scientific Innovations Ltd.—129/Mas/89.	
Purolator India Ltd.—135/Del/89.	
R	
RCA Licensing Corporation.—129/Cal/89.	
R & R Inventions Ltd.—146/Del/89.	
Raadgivende Ingeniør Menning Joergensen.—169/Mas/89.	
Ralph habel hoyeck.—149/Cal/89.	
Rao, D. N.—110/Mas/89.	
Rhone-Poulenc Chimie.—130/Mas/89.	
Rohm & Haas Co.—118/Mas/89.	
S	
Sabharwal, A. S.—137/Del/89.	
Sandoz Ltd.—86/Mas/89.	
Santrae Ltd.—146/Cal/89.	
Schenck Auto Service-Gerate GmbH.—109/Del/89.	

Name	Appln. No.
S—Contd.	
Sea-Hawk Marine & Allied Services Private Ltd.—40/Bom/89.	
Sen, K. K.—120/Cal/89.	
Sen, N. K.—120/Cal/89.	
Saxena, A. K.—134/Del/89.	
Sharma, A.—172/Del/89.	
Sharma, H. K.—172/Del/89.	
Sharma, J. C.—132/Del/89.	
Sico Incorporated.—153/Cal/89.	
Siemens Aktiengesellschaft.—130/Cal/89.	
Simpson, J. M.—135/Mas/89.	
Sintermetallwerk Krebsoge GmbH.—182/Del/89.	
Societe Europeenne Des Produits Refractaires.—131/Del/89.	
Societe Nationale D'Etude Et De Construction De Moteurs D' Aviation, S.N.E.C.M.A.—125/Del/89, 165/Del/89.	
Sohana, J.—121/Mas/89.	
Solvay & Cie.—119/Del/89, 141/Del/89, 147/Del/89.	
Soni, K. C.—159/Del/89.	
Srikanth, S.—42/Bom/89.	
Srikanth, S. (Smt.).—42/Bom/89.	
Srinivasan, P. R.—92/Mas/89, 93/Mas/89.	
Standard Oil Co. The.—175/Del/89.	
Still Otto GMBH.—128/Cal/89.	
Stokeld, W. R.—152/Mas/89.	
Stone & Webster Engineering Corporation.—154/Cal/89.	
Strumbos, W. P.—124/Del/89.	
Sulzer-Escher Wyss AG.—139/Mas/89.	
Sundaram, S. Smt.—158/Mas/89.	
T	
Thiagarajan, V.—96/Mas/89.	
Thompson, K. P.—123/Del/89.	
Thomson-CSF.—100/Del/89.	
Toth, J.—153/Mas/89.	
Traqson Ltd.—132/Cal/89.	
Tucker, J. M.—173/Del/89.	
U	
Union Rheinische Braunkohlen Kraftstoff AG.—169/Del/89.	
UOP.—158/Del/89.	
UTDC Inc.—164/Del/89.	
V	
Vabin International S.r.l.—87/Mas/89.	
Vietscher Magnesitwerk-Aktied-Gesellschaft.—133/Cal/89, 150/Cal/89.	
Vereinigte Edelstahlwerke Aktiengesellschaft (VEW).—179/Del/89.	
Vignon, L.—166/Del/89, 170/Del/89.	
W	
W. R. Grace & Co.-Conn.—97/Del/89.	
Wang Laboratories Inc.—154/Mas/89.	
Wellworthy Ltd.—115/Del/89.	

Name	Appln. No.
W—Contd.	
Werkzeugmaschinenfabrik Del/89.	Oerlikon-Bührle AG.—130/
Wessa, T.—171/Cal/89.	
Westinghouse Electric Corporation.—106/Cal/89, 135/Cal/89, 152/Cal/89.	
Worndli, G. A.—125/Cal/89.	
Wyższa Szkoła Inżynierska Im. Kazimierza Pułaskiego.—160/Cal/89.	
Y	
Yokogawa electric Corporation.—151/Cal/89, 170/Cal/89.	
Z	
Zimmern, B.—136/Cal/89.	

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अंतिम ऐसी अवधि जो उक्त 4 महीने की अवधि को समाप्त के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदन एक महीने की अवधि से अधिक न हों के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरंत उसकी अवायगी पर की जा सकती है। विनिर्देश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Int. CLASS⁴: F16D 55/00

165811

A DEVICE FOR INTEGRATION BOOT PISTON INTO DISK BRAKE.

Applicant: AKERONO BRAKE INDUSTRY CO. LTD., OF NO. 19-5, KOAMI-CHO, NIHONBASHI, CHUO-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventors: (1) HIDEO MUTOH, (2) TADASHI OTSUI.

Application No. 771/Mas/85 filed October 3, 1985.

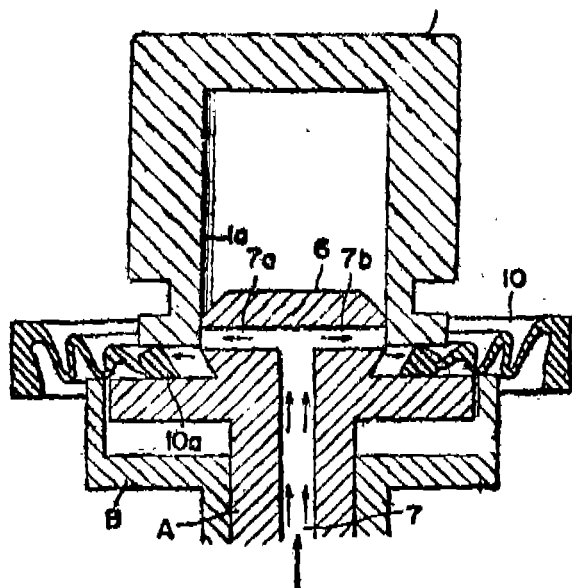
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A device for integrating boot piston into disk brake used for engaging an inner portion (10a) of said boot piston made of a resilient material into a fitting groove (3) formed on the outer peripheral surface of a cup-shaped piston, the said device comprising:

- a first jig A provided with a cylinder portion (4);
- a flange (5) of diameter larger than cylinder portion formed at an end of said cylinder portion;
- a conical column portion (6) having cone portions (6a, 6b) formed on the upper portion of said flange as one body having the outer diameter slightly smaller than the inner peripheral diameter of said cup-shaped piston;
- the said conical column is inserted into the inner periphery of said cup-shaped piston;
- the said inner portion of boot piston has air-supplying holes (7) (7a) (7b) which are passing through the center of said cylinder; and
- a second jig provided with a lower cylinder portion (8) fitted slidably to the cylinder portion of said jig A and the height of said cylinder portion of

expanded diameter (9) is larger than the thickness of said flange.



Compl. specn. 9 pages

Drg. 5 sheets

Int. CLASS⁴: B 22 D 18/04; 46/00

165812

METHOD AND APPARATUS FOR CASTING UNDER PRESSURE.

Applicant : INSTITUTE PO METALOZNANIE I TECHNOLOGIA NA METALITE, OF 53, CHAPAEV STR., 1574 SOFIA, BULGARIA, A SCIENTIFIC AND RESEARCH INSTITUTE, ORGANIZED UNDER THE LAWS OF BULGARIA.

Inventors : (1) ANGEL TONCHEV BALEVSKI, (2) EMIL NIKOLOV MOMCHILOV, (3) RUMEN DYANKOV BACHVAROV, (4) VASSIL NIKOLOV OSTROVSKI, (5) ALEXANDER STEFANOV NIKOLCHOV, (6) PEYO TODOROV STOYANOV, (7) VALENTIN GEORGIEV PETROV, (8) TOSHKO KIRILOV LYUBENOV.

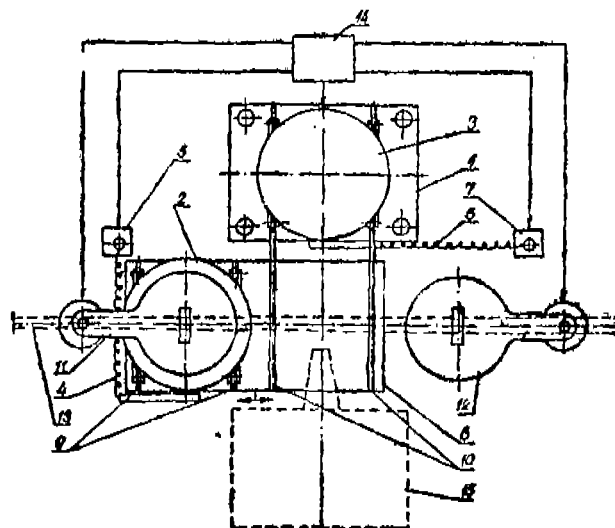
Application No. 744/Mas/85 filed September 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A method for casting metal under pressure, in which, under the action of difference in pressures, the molten metal from a furnace, contained in a hermetically sealed chamber, is displaced via a feed tube for molten metal and fills the cavity of a casting mold disposed in another hermetically sealed chamber where the cast body solidifies and after its removal from the casting mold there is prepared a new cycle of casting, characterised in that, before the filling of the cavity of the casing mold with molten metal, the molten metal is subjected to pre-heating, refining and degassing in movable furnaces, cyclically disposed in positions for casting and simultaneously or after the previous step, the casting mold is brought to desired temperature before the filling as well as after the filling, wherein, the temperature of the casting mold is regulated by timed control of the ratio of input powers to the heating and cooling systems and deformation state of the cast body is regulated by controlling the clearance and

the pressure exerted by the mold on the cast body until the cast body is removed from the mold.



Compl. specn. 26 pages

Drg. 3 sheets

Int. CLASS⁴: E 21 B 10/02

165813

CEMENTED CARBIDE BODY USED PREFERABLY FOR ROCK DRILLING AND MINERAL CUTTING.

Applicant : SANTRADE LIMITED, OF P.O. Box 321, CH-6002 LUZERN, SWITZERLAND, A SWISS COMPANY.

Inventors : (1) UDO KARL REINHOLD FISCHER, (2) ERIK TORBJORN HARTZELL AND (3) JAN GUNNAR HJALMAR AKERMAN.

Application No. 821/Mas/85 filed October 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

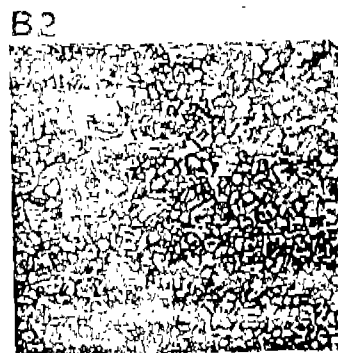
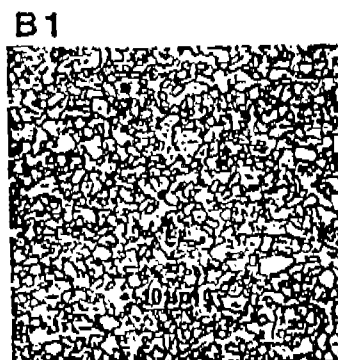
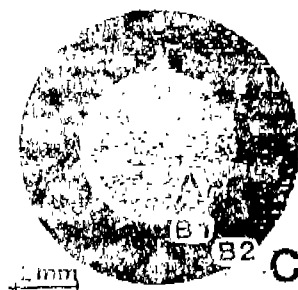
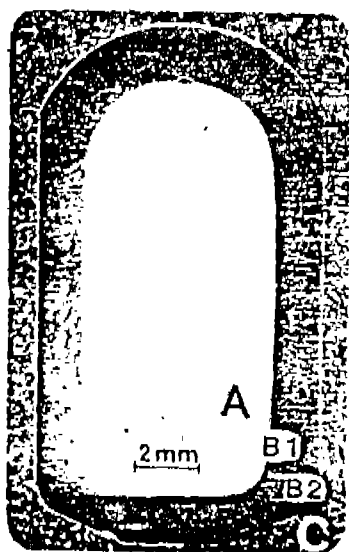
10 Claims

Cemented carbide body preferably for rock drilling and mineral cutting comprising :

a core of cemented carbide and a surface zone of cemented carbide surrounding said core;

wherein both the surface zone and the core contain WC (Alpha-phase) with a binder phase (betaphase) based upon at least one of cobalt, nickel or iron; and

wherein the core further contains eta-phase and the surface zone is free of eta-phase.



Compl. specn. 17 pages

Drg. 2 sheets

Int. CLASS⁴: C 21 C 5/04; F 27 B 3/02

165814

IMPROVED METHOD OF PRODUCING STEEL IN AN OPEN-HEARTH FURNACE AND AN IMPROVED OPEN-HEARTH FURNACE FOR CARRYING OUT THE METHOD.

Applicant : KORTEC AG., A CORPORATION FORMED UNDER THE LAWS OF SWITZERLAND, OF BAHNHOFSTRASSE 21, CH-6300 ZUG, SWIEZERLAND.

Inventor : WILLIAM WELLS.

Application No. 841/Mas/85 filed October 10, 1985.

Divisional to Patent No. 158072 (288/Cal/82).

(Ante-dated to March 12, 1982).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

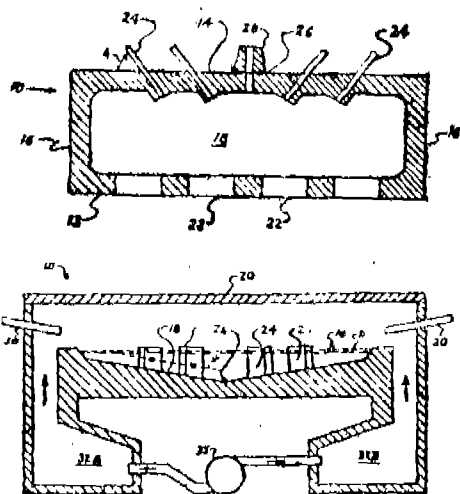
8 Claims

An improved method of producing steel in an open-hearth furnace, comprising charging suitable quantities of molten iron, ferrous scrap, slag formers and alloying elements to said furnace, characterized-by :

maintaining the stack damper in the closed position to prevent draughting of the furnace during charging;

introducing oxygen to the furnace beneath the surface of the molten metal bath with the stack damper in the open position and simultaneously introducing combustion air into said furnace above the bath to burn carbon monoxide to carbon dioxide and to

oxidize metalloids such as silicon, manganese and carbon to promote their removal into the slag.



Compl. specn. 8 pages

Drg. 2 sheets

Int. CLASS⁴: C 22 B 11/08

165815

A PROCESS FOR RECOVERING GOLD FROM AN AQUEOUS SLURRY FORMED FROM A REFRACTORY ORE.

Applicant : HOMESTAKE MINING COMPANY, OF 650 CALIFORNIA STREET, SAN FRANCISCO, CALIFORNIA-94108, U.S.A., A COMPANY INCORPORATED UNDER THE LAWS OF CALIFORNIA, U.S.A.

Inventors : (1) RICHARD S. KUNTER, (2) JOHN R. TURNEY.

Application No. 952/Mas/85 filed November 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A process for recovering gold from an aqueous slurry formed from a refractory ore which has been subjected to sulphide locking treatment and adsorption on carbonaceous matter in a known manner, said process comprising :

oxidizing the aqueous slurry of the ore in an autoclave under acidic conditions at an elevated temperature of 140° to 220°C at a pressure of at least 140 psig and maintaining a final acidity of at least 5 g/l H₂SO₄ whereby elemental gold is released and the heavy metals present in the ore are solubilized;

separating the solubilized heavy metals from the oxidized aqueous slurry to form an acid liquid fraction containing the majority of the heavy metals and a solids fraction containing the gold;

recycling a portion of the acid liquid fraction to the autoclave to provide a source of acid for the oxidation of further fresh batches of ore;

dissolving the elemental gold in the solids fraction by exposure to cyanide to form a soluble gold-cyanide complex; and

recovering elemental gold from the gold-cyanide complex, by known means.

Compl. specn. 23 pages

Drg. 3 sheets

Int. CLASS⁴: B 65 H 54/28

165816

A DEVICE FOR DELIVERING CONTINUOUS THREADS.

Applicant : SOBREVIN SOCIETE DE BREVETS INDUSTRIELS-ESABLISSEMENT, ALTENBACH1, FL-9490 VADUZ, LIECHTENSTEIN. A LIECHTENSTEIN COMPANY.

Inventor : ERMETE RIVA.

Application No. 968/Mas/85 filed 29th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

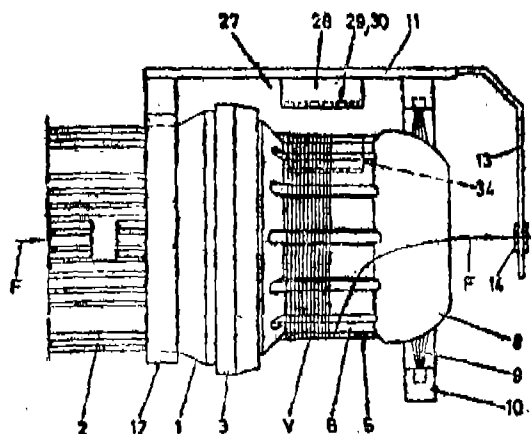
A device for delivering continuous threads comprising :

a storage member to which the thread passes in circumferential direction and from which the thread is withdrawn overend, on which member a given adjustable number of turns of thread is stored as storage quantity between the place of feed and the place of withdrawal;

a light barrier is provided which scans the outer surface of the storage member and controls the rotary drive for delivering the thread registering the number of turns of the thread;

characterized in that the storage member (5) has a light guide whose end surfaces (35', 35'') are exposed towards the outer surface (6) of the storage member, the one end surface (35') of each light guide facing the light barrier transmitter (29) and the other end surface (35'');

staggered in circumferential direction of the storage member (5), facing the light-barrier receiver (30).



Compl. specn. 12 pages

Drg. 2 sheets

Int. CLASS⁴: D 01 H 9/04

165817

A TRAVELLING SERVICE DEVICE FOR SERVICING OPERATING STATIONS OF A YARN PROCESSING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventor : ANDRE LATTION.

Application No. 977/Mas/85 filed December 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

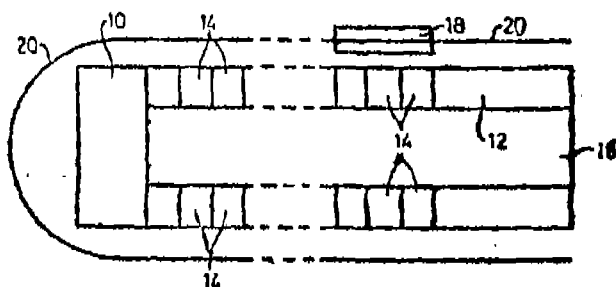
A travelling service device for servicing operating stations of a yarn processing machine comprising :

a support frame adapted for travel in a direction along the yarn processing machine;

means defining a plurality of compartments each adapted to receive a stick of telescoped conical bobbin tubes;

means for moving said compartments around a closed path in directions transverse to the longitudinal axes of sticks in the compartment;

selectively operable means to remove a stick from a compartment at a location on the path which is stationary relative to the path and selectively operable means to separate individual bobbin tubes from a stick of tubes after removal of the stick from its respective compartment.



Compl. specn. 36 pages

Drg. 8 sheets

Int. CLASS⁴ : C 07 C 39/24

165818

A PROCESS FOR PREPARING A META-HALO-PHENOLIC-COUPLED AROMATIC COMPOUND.

Applicant : THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U. S. A.

Inventors : (1) ABEL MENDOZA, (2) DAVID B. FRITZ, (3) CHUN S. WANG, (4) ERIC E. BENCROFT.

Application No. 584/Mas/87 filed August 13, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

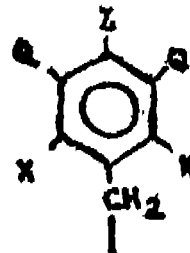
2 Claims

A process for preparing a meta-halo-phenolic coupled aromatic compound of formula I, Ar-Y wherein Ar is an aromatic moiety different from Y such as herein described and Y is a compound of the formula IV of the accompanying drawings wherein,

Q is separately at each occurrence hydrogen, alkyl having 1-12 carbon atoms or inertly substituted

alkyl with the proviso that the carbon atom bonded to the aromatic ring is primary or secondary carbon atom;

X is separately at each occurrence the halogen moiety; and,



Z is -OH, or -OR wherein R is separately at each occurrence a C₁-C₁₂ organic group,

which comprises reacting at a temperature of from 20-220°C an hydroxy aromatic compound such as herein described with an alkylating aromatic agent represented by the formula (hm)-Y wherein hm is Br, Cl, OH or C₁₋₄ alkoxy and Y is as described above, and recovering the compound of formula I in a known manner.

The compounds prepared according to this invention are useful as fungicides, flame retardents and monomers.

Compl. specn. 48 pages

Drg. 6 sheets

Int. CLASS⁴ : A 23 K 1/12

165819

A PROCESS FOR PREPARING PROTEIN RICH ANIMAL FEED FROM BIOMASS.

Applicant : INSTITUT ARMAND-FRAPPIER, A CANADIAN COMPANY, OF 531, BOUL. DES PRAIRIES, LAVAL, QUEBEC, CANADA H7N 4Z3.

Inventor : DEVINDER S. CHAHAL.

Application No. 642/Mas/87 filed 4th September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A process for preparing protein rich animal feed from biomass which comprises :

pretreating in a known manner the biomass into cellulose mixture;

the said cellulose mixture is fractionated to remove lignin and hemicellulose;

inoculating the fraction thus obtained with an inoculum produced by growing a fungi selected from chaetomium cellulolyticum IAF-101, chaetomium cellulolyticum IAF-102;

species of pleurotus, Aspergillus IAF 201 and Penicillium IAF 603, on hemicellulose and a nutrient medium;

the pH of the inoculated mixture is maintained at 4 to 7.5 and incubated from 20 to 72 hours at a temperature ranging from 25 to 40°C to obtain the protein-rich feed.

Compl. specn. 20 pages

Drg. 1 sheet

Int. CLASS⁴ : A 23 I. 1/31

165820

A METHOD OF PRODUCING A MEAT EMULSION PRODUCT.

Applicant : SOCIETE DES PRODUITS NESTLE S.A., P.O. BOX 353, 1800 VEVVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : (1) R. CRAIG MARTIN, (2) WILLIAM WU.

Application No. 708/Mas/87 filed October 1, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims. No drawing

A method of producing a meat emulsion product having : a layered meat-like appearance and texture which comprises forming a meat emulsion containing a mixture of meat;

the emulsion containing between 65% and 95% by weight of meat having a protein to fat ratio of 1.5 : 1 to 7 : 1 and a moisture content of between 45% and 80% by weight;

deacrating said meat emulsion, comminuting and heating the meat emulsion to a temperature between 104° and 118°C;

introducing the heated emulsion by centrifugal force into a confined processing zone while maintaining the emulsion under a pressure greater than the vapor pressure of the water in the emulsion;

maintaining the heated emulsion under such pressure in the confined processing zone until the protein is coagulated to form a firm emulsion mass;

reducing the pressure on the emulsion in the confined processing zone to below the vapor pressure of the water in the emulsion to vaporize water in the emulsion; and

intermittently injecting pressurized steam into the emulsion in the confined zone whereby the firm emulsion mass is dispersed to form discrete pieces of set emulsion having a plurality of distinct layers bonded together, and discharging the layered meat emulsion pieces from said confined processing zone.

Compl. specn. 30 pages.

CLASS : 48-C

165821

Int. Cl. : H 01 b 3/00.

A PROCESS OF APPLYING AN ELECTRICALLY INSULATING LAYER TO SHEET STEEL.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, D-6000 FRANKFURT AM MAIN, WEST GERMANY.

Inventors : (1) HERIBERT DOMES, (2) GUNTHER QUACK.

Application No. 630/Cal/1986 filed July 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process of applying an electrically insulating layer to steel sheet by means of an aqueous treating liquor, containing a resin that is adapted to be diluted in alkaline aqueous medium and a fluoride of a polyvalent metal, especially aluminium fluoride (AlF₃), in an amount of 0.1

to 80, preferably 1 to 30, parts by weight per 100 parts by weight of resin and drying the layer, characterized in that the steel is contacted with a treating liquor free of chromium compounds, in particular free of chromate compounds, which additionally contains 0.1 to 40, preferably 1 to 10, parts by weight borate, especially sodium borate, per 100 parts by weight of the said resin.

Compl. specn. 22 pages

Drg. Nil

CLASS : 90-F, I

165822

Int. Cl. : C 03 b 37/01.

APPARATUS AND METHOD FOR MANUFACTURING WOUND BODIES FROM PLURALITY OF SEPARATE CONTINUOUS THREADS.

Applicant : VETROTEX SAINT-GOBAIN, OF 767 QUAI DES ALLOBROGES, F 73000 CHAMBERY, FRANCE.

Inventors : (1) BILLARD GEORGES, (2) BLANCHARD FRANCOISE, (3) KLEMENZ WILLY, (4) COBET ROGER, (5) RICHARD DANIEL.

Application No. 532/Cal/1986 filed July 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Apparatus for manufacturing wound bodies from a plurality of separate and continuous threads by forming and winding a plurality of continuous threads (15) of thermoplastics material such as glass, onto one and the same support (37) and comprising :

at least one die (10) receiving the material and maintaining it in the molten state;

at least one rotating spindle (B₁) carrying the support (37) and providing for mechanical drawing of the strands of material emanating from the orifices in the die (10) in the form of elementary filaments (11);

then winding them in the form of separate threads (15);

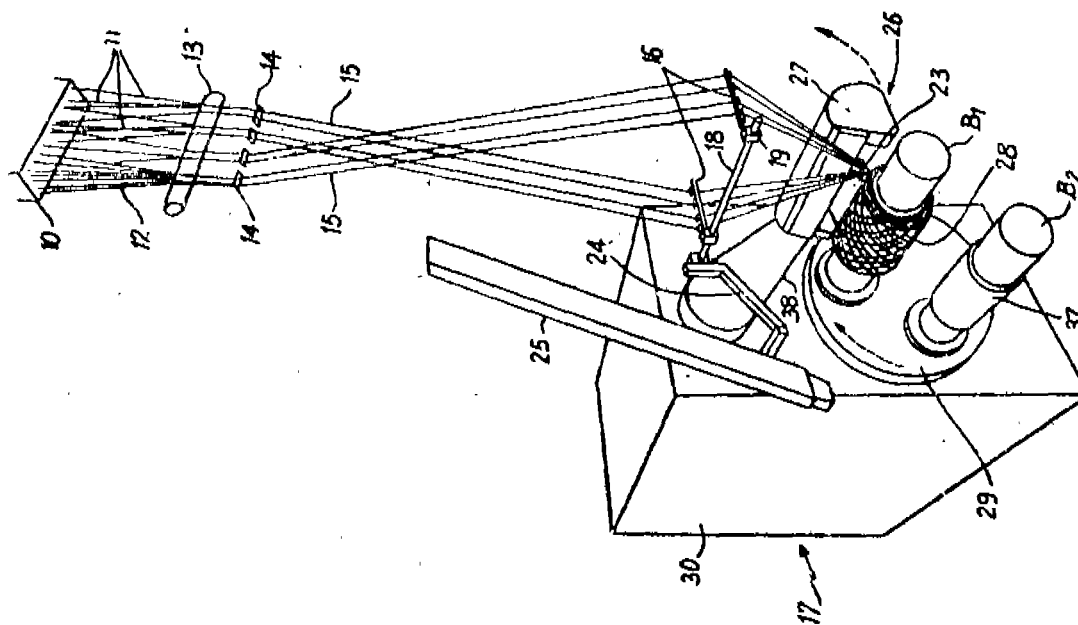
at least one assembling and guiding means (14, 16) for regrouping the filaments (11) into at least two separate threads (15), and guiding these threads to the spindle (B₁);

a shedding device (26) maintained in the vicinity of the spindle comprising at least one movable thread guide (23) positively guiding the threads (15) and driven with a reciprocating movement to distribute them over the support (37) and two abutments placed at the ends of the travel of the thread guide;

characterized in that the guide means (16) is/are placed outside a zone comprised between the two planes are right-angles to the direction of movement of the thread guide (23) which pass through the limits of travel of this latter and in that the thread guide (23) comprises an opening (32) facing the

spindle (B_1) communicating with an inner zone for guiding threads (15):

the said zone having at least two notches or slots (33) on its periphery.



Compl. specn. 21 pages

Drg. 2 sheets

Int. CLASS : H 01 r 30/04

165823

generally coextensive with the outer surface of said protecting cover.

COMMUTATOR AND PROCESS FOR MANUFACTURING THE SAME.

Applicant : MITSUBA ELECTRIC MANUFACTURING COMPANY LTD., OF 2681, HIROSAWACHO 1-CHOME, CIRYU GUMMA JAPAN.

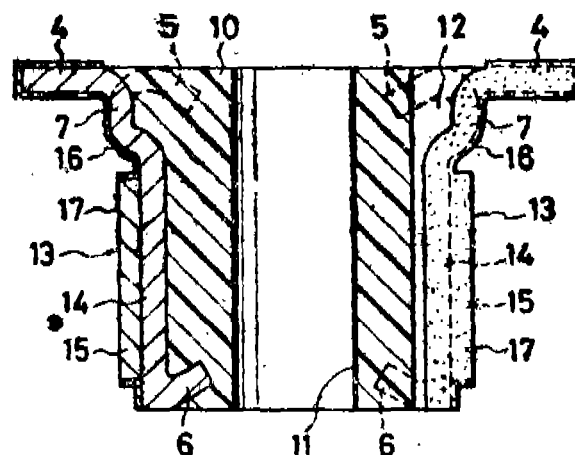
Inventors : (1) TAKASHI SHIBATA, (2) NOBUO YAMADA, (3) YOSHIKAZU MADA.

Application No. 590/Cal/1986 filed August 01, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A commutator of the type in which the boss is surrounded by commutator segments and the parent metal of the commutator segments having riser members integrated therewith at one end, is covered with a protecting cover on at least its surface for contacting with brushes, and the boss is provided with an axial bore in which the shaft of an armature is to be pressfitted, characterised in that the parent metal of the said commutator segments is formed with bulging portions at the base of the said riser members, such that the outer surfaces of said bulging portions are



Compl. specn. 34 pages

Drg. 7 sheets

Int. CLASS : H 01 j 31/66, 29/52

165824

A FLAT VISUAL DISPLAY DEVICE.

Applicant : SOURCE TECHNOLOGY CORPORATION, OF 14700 WINCHESTER BOULEVARD, LOS GATOS, CALIFORNIA 95030, U.S.A.

Inventors : FREDERICK G. OESS.

Application No. 592/Cal/1986 filed August 04, 1986.

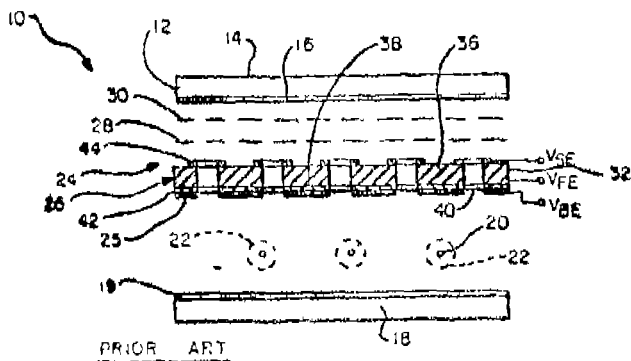
Convention dated 25th July, 1986 (No. 514,657) (Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A flat visual display device, comprising :

- (a) a flat face plate having a front face and opposite back face and electrically positive means on the latter which, as a result of impingement of electrons thereon, provides a visual image at said front face;
- (b) cathode means for providing a supply of free electrons in an area behind and spaced from said face plate;
- (c) address means including an apertured address plate disposed in spaced-apart, confronting relationship with the back face of said face plate between the latter and said area containing said supply of free electrons;
- (d) a backing electrode extending in a plane parallel with and behind said areas;
- (e) a grid-shaped accelerator electrode extending in a plane parallel with and between said address means and said backing electrode within said area; and
- (f) means for voltage biasing said address means and said address means and said backing and accelerator electrodes in a way as herein described which causes the three to act on the free electrons supplied by said cathode means within said area to establish a uniform space-charge cloud of free electrons defining a planar band which is spaced-apart from said cathode means and which is parallel with and between said address plate and accelerator grid, said planar band of free electrons functioning as a virtual cathode which is remote with respect to said cathode means, whereby the address plate is able to act on electrons supplied by said virtual cathode in a controlled way so as to cause the electrons acted upon to impinge on specific areas of the back face of said face plate in order to produce a desired image at the front face of the face plate.



Compl. specn. 31 pages

Drg. 2 sheets

CLASS : 133-A

165825

Int. Cl. : H 02 p 15/00.

DEVICE FOR CONTROLLING THE DIRECT CURRENT MOTOR OF A LIFT IN EMERGENCY BRAKING.

Applicant : KONE ELEVATOR GMBH, OF RATHAUS-STRASSE 1, CH-6340 BAAR, SWITZERLAND.

Inventors : (1) MATTI KAHKIPURO, (2) HELMO MAKINEN.

3-427 GI/89

Application No. 44/Cal/1987 file January 13, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A device for controlling the direct current motor of a lift in emergency braking comprising :

- a four quadrant static converter consisting of thyristor bridges (T1-T12) connected to said motor (M) for converting a three phase voltage (RST) into direct current;
- a contactor (K4) for connecting the three phase voltage (RST) into said static converter;
- a desistance (R1) connected in parallel with said motor (M) during emergency braking;
- a semiconductor switch consisting mainly of two thyristors (T13, T14);
- said thyristors (T13, T14) being ignited with voltage in the poles of said motor (M) during emergency braking;
- said semiconductor switch connecting said resistance (R1) in parallel with said motor (M) during emergency braking at the same time as the three phase voltage (RST) supplying said static converter is disconnected with said contactor (K4) so that the short circuit paths of said thyristor bridges (T1-T12) are interrupted.

Compl. specn. 9 pages

Drg. 1 sheet

Int. CLASS : C 07 c 87/00

165826

A PROCESS FOR THE SYNTHESIS OF ACRYLAMIDE.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED, OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventors : (1) SHIRO ASANO, (2) KOHEI SHIZUKA, (3) YOSHIHIKO KAMBARA.

Application No. 79/Cal/1987 filed January 27, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of synthesis of acrylamide by reacting acrylonitrile with water in the presence of a metallic copper-based catalyst used as a suspended bed, characterized by the improvement which comprises :

- washing off the catalyst in the manner as herein described until the total amount of metallic copper and copper oxides remaining in the reactor is not greater than 0.3% by weight based on the amount of metallic copper catalyst used at the beginning of the operation; or

- discharging the catalyst from the reactor until the amount of copper oxides remaining in the reactor is not greater than 0.3% by weight based on the amount of metallic copper catalyst used at the beginning of the operation and then establishing an inert environment within the reactor, and then feeding the catalyst to the reactor for restarting the reaction after shut down of the reactor.

Compl. specn. 44 pages

Drg. 1 sheet

Int. CLASS : E 02 f 9/22

165827

HYDRAULIC DRIVE SYSTEM.

Applicant : HITACHI CONSTRUCTION MACHINERY CO., LTD., OF 6-2, OHTEMACHI-2-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventors : (1) YUKIO AOYAGI, (2) SHUICHI ICHIYAMA, (3) KFTJICHIRO UNO, (4) TOMOHIKO YASUDA.

Application No. 80/Cal/1987 filed January 27, 1987.

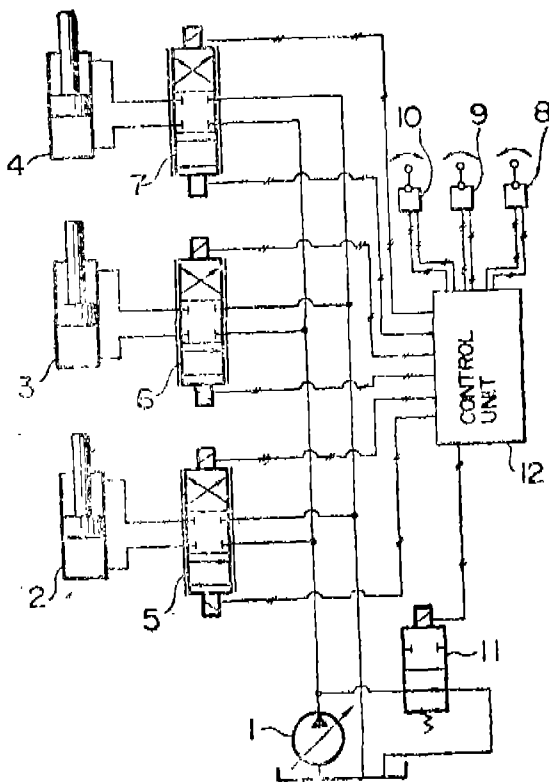
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A hydraulic drive system for a construction machine comprising :

hydraulic circuit means including at least one hydraulic pump, at least first and second hydraulic actuators driven by a hydraulic fluid discharged from said pump, and at least first and second directional control valves connected to said pump in parallel with each other for controlling flows of hydraulic fluid supplied from the pump to said first and second actuators respectively; and control means responsive to first and second operation signals for driving said first and second actuators, respectively, to produce first and second control signals for actuating said first and second valves and deliver such control signals thereto, respectively, each of the first and second valves having a degree of opening changed in accordance with a level of the corresponding one of said first and second control signals for controlling a flow rate of hydraulic fluid supplied to the corresponding one of the first and second actuators characterised in that:

said control means including restriction means for restricting the level of said first control signal delivered from the control means for restriction of the degree of opening of said first directional control valve when both of said first directional control valve when both of said first and second operation signals are entered in the control means for instruction to perform simultaneous driving of said first and second hydraulic actuators.



Compl. specn. 56 pages

Drg. 13 sheets

CLASS :

165828

Int. CL. : F 26 b 3/00.

A PROCESS AND AN APPARATUS FOR OBTAINING DRIED STORAGE AGRICULTURAL PRODUCTS PARTICULARLY CEREALS AND PULSES AND OTHER SIMILAR MATERIALS SUCH AS MILLETS USING RENEWABLE SOURCES OF ENERGY.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR-721302, AND AMALENDU CHAKROVARTY, ASSISTANT PROFESSOR AND SUSANTA KUMAR DAS, LECTURER, OF PHTC, IIT, KHARAGPUR-721302, WEST BENGAL, INDIA.

Inventors : (1) AMALENDU CHAKROVARTY, (2) SUSANTA KUMAR DAS.

Application No. 83/Cal/1987 filed January 28, 1987.

Complete Specification left on 8th May, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

17 Claims

A process of obtaining storage stable dehydrated agricultural products such as cereals and pulses using renewable sources of energy which comprises :

subjecting a charge of produce to be dried to a step of heating from one direction to a desired level and extent to drying, thereafter subjecting said charge to a step of heating from the opposite direction, thereby to obtain a predetermined level of drying of the produce and thereafter continuing the heating from the first direction to an additional level and extent of drying, then again continuing the heating from the second direction to a further additional extent and level of heating and carrying on the alternate directional heating until the whole charge is dried to the desired degree.

Compl. specn. 18 pages

Provl. specn. 4 pages

Drg. Nil

Drg. 1 sheets

Int. CLASS : G 08 b 1/00

165829

DEVICE FOR REMOTE TRANSMISSION OF ANGULAR POSITION AND FORCE BETWEEN MASTER AND ACTUATING SHAFTS.

Applicant : BELORUSSKY GOSUDARSTVENNY UNIVERSITET IMENI V.I. LENINA, OF MINSK, LENINSKY PROSPEKT, USSR.

Inventors : (1) LJUDMILA IVANOVNA MATJUKHINA, (2) ALEXANDR SERGEVICH MIKHAILEV, (3) IGOR MIKHAILOVICH CHUSHENKOV.

Application No. 679/Cal/1987 filed August 28, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

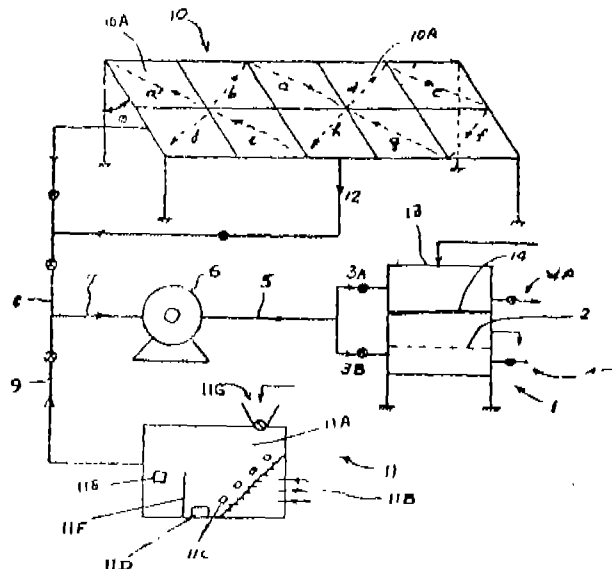
4 Claims

A device for remote transmission of the angular position and force between master and actuating shafts, wherein master and slave synchronous machines have their shafts kinematically connected, respectively, with master and

actuating shafts, one of said shafts being provided with a shaft position sensor whose output is coupled to a reference input of a unit for generating current in windings of the master and slave synchronous machines;

a control input of the unit for generating current in the windings of the master and slave synchronous machines is electrically connected to an output of a unit for assigning the amplitude of stator magnetic fields of the master and slave synchronous machines, whose inputs are connected to two load torque sensors connected to the shafts of respective master and slave synchronous machines;

outputs of the units for generating current in the windings of the master and slave synchronous machines are connected to electrically joined respective windings of the master and slave synchronous machines.



Compl. specn. 25 pages

Drig. 5 sheets

CLASS :

165830

Int. Cl. :

PROCESS FOR THE PREPARATION OF A RECOMBINANT DNA MOLECULE.

Applicant : BIOTECHNOLOGY AUSTRALIA PTY. LTD, OF 28 BARCROFT STREET, EAST ROSEVILLE, NEW SOUTH WALES 2069, AUSTRALIA; AND COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, OF LIMESTONE AVENUE, CAMPBELL, AUSTRALIAN CAPITAL TERRITORY 2601, AUSTRALIA.

Inventors : (1) GARY STEWARD COBON, (2) JOANNA TERRY MOORE, (3) LAW ANTHONY YORKE JOHNSTON, (4) PETER WILLADSEN, (5) DAVID HAROLD KEMP, (6) ALAGACONE SRISKANTHA, (7) GEORGE ALFRED RIDING, (8) KEITH NORMAN RAND.

Application No. 934/Cal/1987 filed November 27, 1987.

Convention dated 27th November, 1986 (No. PH 9196); 19th June, 1987 (No. PI 2570) and 16th October, 1987 (No. PI 4912) All are Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

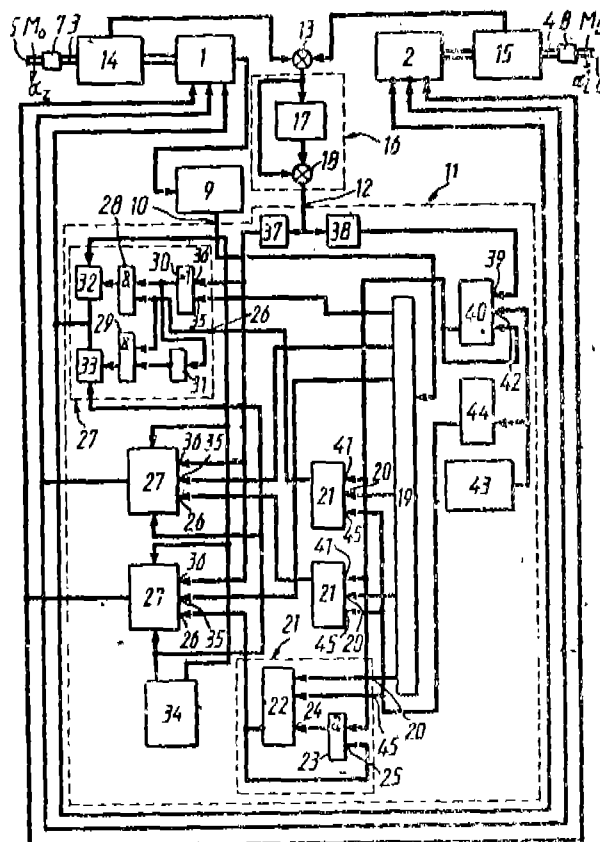
18 Claims

Process for the preparation of a recombinant DNA molecule, said recombinant DNA molecule comprising :

at least one DNA sequence selected from a first DNA sequence such as herein described which has the characteristic to act as a coding sequence for amino acid sequences of an immunogen such as herein described comprising an antigen such as herein described which has been derived from a tick species or tick cell line;

said antigen having the capability of including immunity to infestation of a mammalian host to which it may be administered a second DNA sequence such as herein described which is capable of hybridizing to said first DNA sequence of a DNA sequence such as herein described related to such second DNA sequence by mutation (including single or multiple)

base substitutions, deletions, insertions and inversions as known) said process comprising inserting by a method, such as herein described under conditions such as herein described said DNA sequence into vector DNA such as herein described to produce said recombinant DNA molecules.



Compl. specn. 62 pages*

Drig. 9 sheets

Int. CLASS¹ : A61K 7/04

165831

NAIL POLISH COMPOSITIONS.

Applicant : CHESEBROUGH-POND'S INC., A NEW YORK CORPORATION, OF 33 BENEDICT PLACE, GREENWICH, CONNECTICUT 06830, U.S.A.

Inventors : HARVEY MITCHEL REMZ, PHILIP JOSEPH GORDON, JOHN CUNNINGHAM & JOSEPH DAVID MELNIK.

Application for Patent No. 438/Dcl/85 filed on 31st May 1985.

Convention date March 22, 1985/211547/(New Zealand).

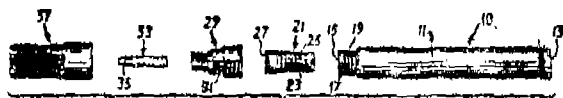
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

13 Claims

A novel low viscosity nail polish composition comprising from 2.0% to 40.0% primary film former selected from the group consisting of nitrocellulose having grade of less than 80 cps, cellulose propionate, cellulose acetate, butyrate, ethyl cellulose, sucrose acetate, isobutyrate, polyvinyl acetate, polyvinyl alcohol, acrylic resins, urethane polymers, nylon, polyesters, and alkyls;

from 3.0% to 24.0% shade paste of the kind as herein described; and

an amount of thinner sufficient to render the Brookfield viscosity of the final composition not greater than about 200 cps.



Compl. specn. 36 pages

Drg. 1 sheet

Int. CLASS⁴ : B 23 B 49/04, 43/00

165832

NUMERICAL-CONTROL APPARATUS FOR MACHINING HOLES IN STRUCTURAL SECTIONS.

Applicant : PROMAT INDUSTRIE, A FRENCH COMPANY, OF ZONE INDUSTRIELLE, 33360 LATRESNE FRANCE.

Inventor : FRANCOIS ANDRIUSSI.

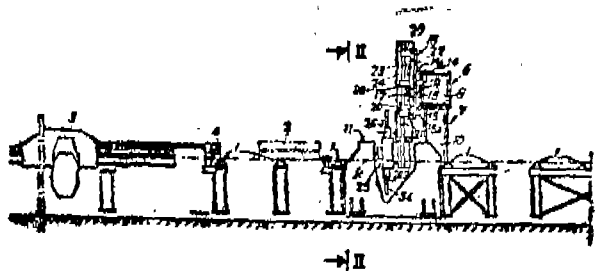
Application for Patent No. 603/Del/85 filed on 29th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

7 Claims

Numerical Control apparatus for machining holes in a structural sections comprising :

- a machining station;
- a conveyor to support individual sections to be machined;
- a motor-driven carriage connected to a numerical control system for controlling said motor-driven carriage;
- a gripper carried by said motor-driven carriage to grip and move said sections to a predetermined position related to said station along an X-axis of a coordinate system having mutually orthogonal X, Y and Z axes;
- at least one vice controlled by said numerical control system for clamping said section in said machining station;
- a fixed frame in said machining station said machining station comprising two crossed axes moving elements;
- the first of said moving elements being movable relative to said frame and the second of said movable element movable relative to the first element;
- the said second moving element carrying a swivellable machining head equipped with at least one tool;
- and an actuator connected to each of said element, said actuator being a multipurpose actuator selectively controlled by the main numerical control system to execute only positioning commands, feed only commands or both commands.



Compl. specn. 22 pages

Drg. 5 sheets

Int. CLASS⁴ : F16B, 9/00, F16L, 21/00

165833

A JOINTED PIPE MALE AND SOCKET ENDS.

Applicant : PONT-A-MOUSSON S.A., A FRENCH COMPANY, OF 91 AVENUE DE LA LIBERATION, F 54000 NANCY, FRANCE.

Inventors : MIHEL PIERREL, PIERRE VIGNERON and JEAN-PIERRE VITEL.

Application for Patent No. 660/Del/85 filed on 13th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

2 Claims

A jointed pipe comprising :

two pipes, each having a male end and a socket end, male end of one pipe being joined to the socket of other pipe, the male end (2) and the socket (1) having opposite support devices (3, 11);

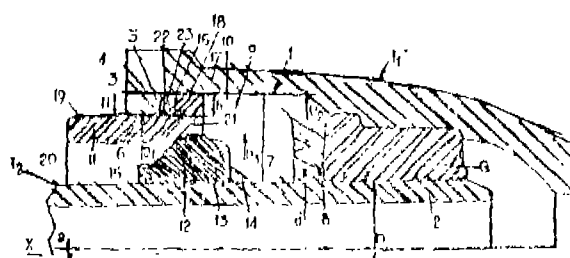
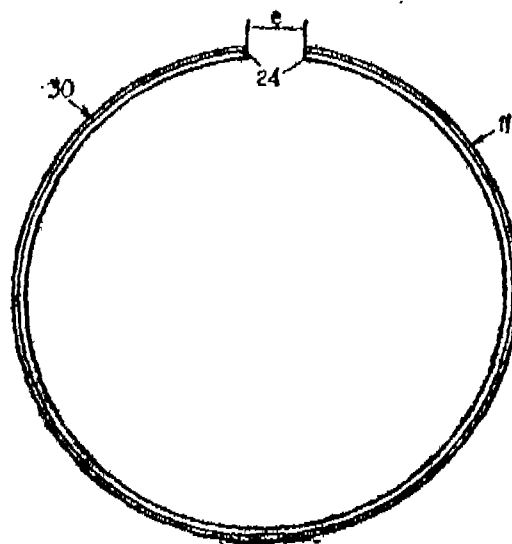
the support device of the socket (1) being defined by a flange (3) inside it, and the support device of the male end (2) being defined by a support collar (11);

an inner face of which is applied against a radial shoulder (12) of said male end (2);

an incompressible mass (23) composed of a granular material being contained in an annular space (22) sealed against said granular material and formed by the inner surface (10) of the socket (1) and the outer surface (19) of the support collar (11);

said joint being characterised in that said support collar comprises an incomplete open ring with an opening and having an elasticity sufficient to be of variable diameter;

said ring remaining open once the joint is locked by means of a separating device (25) interposed between the two radial faces (24) of said opening.



Compl. specn. 11 pages

Drg. 3 sheets

Int. CLASS⁴ : A45C 13/00

165834

6 Claims

IMPROVED ROTATIONAL GROUND-ENGAGING ASSEMBLY FOR LUGGAGE CASE.

Applicant : SAMSONITE CORPORATION, OF 11200 EAST FORTY-FIFTH AVENUE, DENVER, COLORADO-80239, UNITED STATES OF AMERICA, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF COLORADO, U.S.A.

Inventor : WILLY VAN HOYE.

Application for Patent No. 692/Del/85 filed on 21st August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

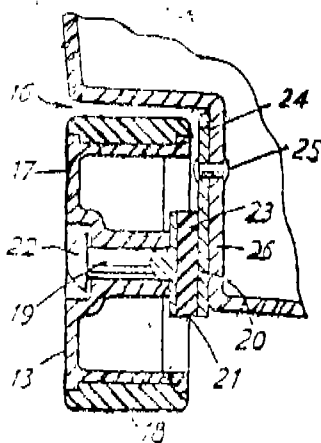
12 Claims

An improved rotational ground-engaging assembly for a luggage case to enable said case to be rolled along the ground with lessened chances of damage which comprises :

ground-engaging means mounted for rotation about an axle;

said axle being connected through the medium of resilient shock absorbing means to mounting means for securing said assembly to or within a shell of said case;

said shock absorbing means comprising a piece of elastomeric material provided between said axle and said mounting means so that at least a portion thereof lies within the overall axial width of said ground-engaging means whereby, in use, shocks transmitted through contact of said ground-engaging means with the ground when said case is rolled thereon are absorbed by said shock absorbing means.

Int. CLASS⁴ : F01L 3/00, 7/00

165835

A BUTTERFLY VALVE.

Applicant : APPLICATIONS MECANIKES ET ROBINETTERIE INDUSTRIELLE (A.M.R.I.), A LIMITED LIABILITY COMPANY, OF LES MERCURIALES, 40, RUE JEAN-JAURES, 93176 BAGNOLET, FRANCE.

Inventor : JEAN-CLAUDE GARRIGUES and PATRICK GUIROY.

Application for Patent No. 748/Del/85 filed on 11th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

A butterfly valve comprising :

a body with a central bore, a transverse drilled hole at a right angle to the said bore, two parallel radial faces in the center of which the said bore opens, each of said radial faces having a coaxial circular recess extending radially outward from the said bore;

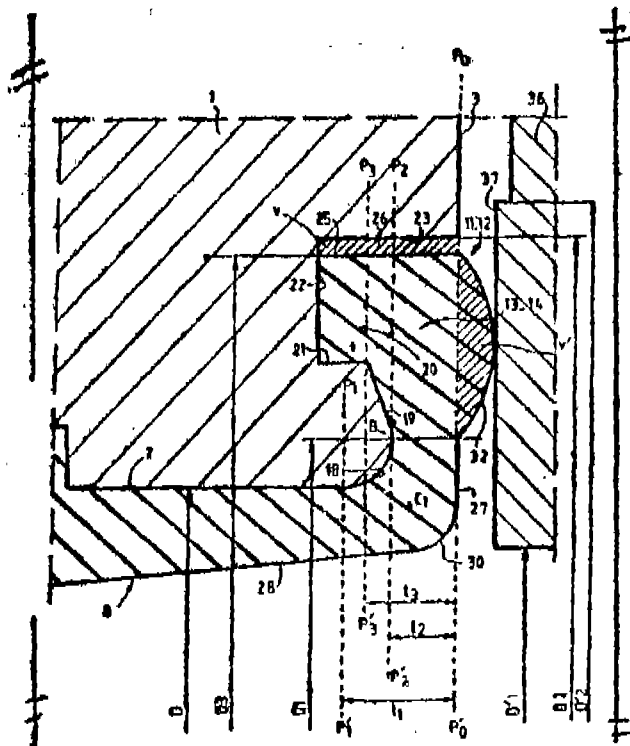
a closing device assembled for rotating inside the said body by means of an operating shaft inserted in the said drilled hole; and

an elastomer sleeve with a basically U-shaped cross-section, the core of which lines the bore of the body and the lateral cheeks of which partially fit into the said circular recesses;

wherein the said circular recesses are provided successively with a first flared section with a curved profile that is a continuation of the body bore, a second section essentially conical and receding towards the body;

an annular groove extending axially around the body, the inner side of which is a continuation of the said second section whilst the outer side ends at the level of the said radial face;

the lateral cheeks of the sleeve having an inner shape corresponding to that of the circular recesses, except for the outer diameter, which is smaller than the diameter of the outer side of the annular groove, so that the space between the said lateral cheek and the said outer side of the groove defines an annular volume v which is empty at rest, and the outer shape of said cheeks comprising at least, opposite said first flared section, a flat face lying essentially in the plane of the corresponding radial face and, opposite the said second section and annular groove, a bulge tangent to a radial plane axially offset outwards from the plane of the said radial face.



Compl. specn. 20 pages

Drg. 5 sheet

Int. CLASS⁴ : C22C 21/00, B 22 F 9/00

165836

A METHOD FOR PRODUCING DISPERSION STRENGTHENED COMPOSITE METAL POWDERS.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 200 PARK AVENUE, FLORHAM PARK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : RUZICA PETKOVIC-LUTON and JOSEPH VALLONE.

Application for Patent No. 802/Del/85 filed on 1st October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

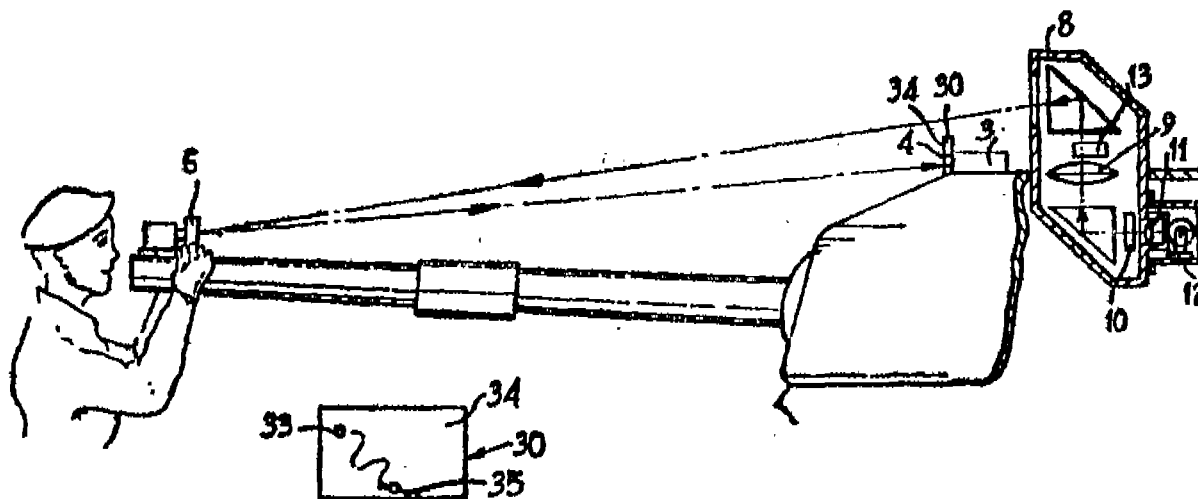
10 Claims

A method for producing dispersion strengthened composite metal powders characterized by having a substantially homogeneous dispersion of refractory particles dispersed throughout the metal matrix and which composite powders are substantially free of oxide scale, the process comprising :

- (a) mixing one or more metallic powders such as herein described with 0.5 to 25 volume % of another powder comprised of one or more refractory compounds selected from the group consisting of refractory oxides, carbides, nitrides and borides; and
- (b) milling the powder mixture with a cryogenic material such as herein described at a temperature which is low enough to substantially suppress the annihilation of dislocations of the powder particles but not so low as to cause all the strain energy incorporated into the particles during milling to be dissipated by fracture.

Compl. specn. 23 pages

Drg. 4 sheets

Int. CLASS¹ : F41G 1/38

165837

ALIGNMENT DEVICE FOR USE WITH A MUZZLE REFERENCE SYSTEM FOR A MOUNTED GUN.

Applicant : THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, A BRITISH CORPORATION SOLE OF WHITEHALL, LONDON SW1A 2HB, ENGLAND.

Inventors : JOHN ALFRED BRIDGES AND KENNETH EDWARD YOUNG.

Application for Patent No. 923/Del/85 filed on 5th November, 1985.

Convention date 19th November, 1984/8429201/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An alignment device for use with a muzzle reference system for a mounted gun having a telescope gun sight :

the muzzle reference system being of a known type having an indicator mark located on the gun mounting in fixed operative relationship with the gun sight and a reflector adjustably mounted upon the gun muzzle for reflecting an image of the indicator mark back into the gun sight;

said gun sight being provided therein with an object lens;

a graticule having a reference mark, an eye piece lens;

a primary exit pupil from which the graticule is viewed, and an auxiliary optical system for focusing the image of the indicator mark onto the graticule having an auxiliary exit pupil located within the primary exit pupil;

alignment of the system being achieved by setting the reflector to a disposition providing coincidence between the image and the reference mark;

characterised in that the alignment device comprises a viewing screen superimposable upon the indicator mark so as to confront the reflector; and

a light source attachable to the gunsight so as to be located at the auxiliary exit pupil thereby to cause a focussed image of the reference mark to be projected onto the viewing screen via the gunsight and the reflector.

Compl. specn. 8 pages

Drg. 1 sheet

Int. CLASS: C 03 C 19/00

165838

COATING HOOD FOR APPLYING A PROTECTIVE COATING TO GLASS CONTAINERS.

Applicant : M&T CHEMICALS INC., A CORPORATION ORGANISED UNDER THE LAW OF THE STATE OF DELAWARE, OF ONE WOODBRIDGE CENTER, WOODBRIDGE, NEW JERSEY 07095, UNITED STATES OF AMERICA.

Inventors : GEORG HEINRICH LINDNER & RAYMOND WILLIAM BARKALOW.

Application for Patent No. 999/Del/85 filed on 28th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A coating hood for applying uniform protective coatings to glass containers and for minimising deposition of coating compound on the finish of the containers, said containers having a main body and a finish, as herein defined, said coating hood comprising :

- (a) a pair spaced side walls to said coating hood;
- (b) at least one coating jet forming means defined in at least one said side wall of the coating hood and extending to a height not greater than that of the main body of said glass containers for supplying a coating compound to the main body of said containers;
- (c) at least one receiver defined in at least one said side wall of the coating hood, each said receiver being situated in a said side wall opposite to and in substantial alignment with a respective said coating jet forming means in the opposite said side wall for receiving an output therefrom;
- (d) at least one feed means connected to said coating jet forming means for introducing a coating compound into said coating hood;
- (e) first blower means for delivering air to said coating jet forming means with the coating compound entrained therein, whereby the main body of said containers are coated with said coating compound;
- (f) conveyor means for transporting the glass containers to be coated longitudinally through said coating hood past said at least one coating jet forming means;
- (g) a plurality of finish air jet forming means positioned at a height above said coating jet forming means for supplying coating free air across the finish of said containers as the latter are transported through said coating hood; and
- (h) second blower means connected to said finish air jet forming means for supplying said coating free air to said finish air jet forming means;

characterised in that :

- (i) said finish air jet forming means are positioned on opposite sides adjacent upper ends of said spaced side walls to be on either side of side containers passing through said coating hood, the finish air jet forming means adjacent the upper end of one side wall being offset in the longitudinal direction of said hood with respect to the finish air jet forming means adjacent the upper end of the opposite side wall;

- (j) each said finish air jet forming means having a substantially rectangular opening whereby an envelope of said coating free air is supplied across the finish of said containers and lateral boundaries of the envelope of each finish air jet forming means on one side of said containers are substantially coincident with lateral boundaries of the envelopes of the offset and laterally adjacent finish air jet forming means on the other side of said containers.

Compl. specn. 32 pages

Drg. 6 sheets

Int. CLASS: H 01 R 13/00

165839

ELECTRICAL SOCKET APPARATUS.

Applicant : D. H. HADEN LIMITED, A BRITISH COMPANY, OF MOUNT ROAD, BURNTWOOD, WALESALL, WEST MIDLANDS WS7 0AW, ENGLAND.

Inventor : JOHN DENIS HADEN.

Application for Patent No. 1001/Del/85 filed on 28th November, 1985.

Convention dates February 5, 1985/8502909/(U.K.) and August 3, 1985/8519552/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

Electrical socket apparatus having :

sockets (118, 119, 219, 218) to receive terminal pins (22, 23) of an electrical device (20), the sockets having electrical conductors (124, 125, 224, 225) for engaging said terminal pins; and

characterised in that the apparatus comprises a displaceable member (113, 233) comprising a balance member (132, 233) having portions (134) thereof projecting into a plurality of said sockets (118, 119, 218, 219), said balance member (113, 233) being engaged by a fulcrum (105, 232) on a switch actuating member (130, 213) said portions (134) of said balance member (132, 233) being movable through at least a predetermined distance against a bias to actuate a switch (112, 212) to make an electrical connection to at least one of said conductors (124, 224).

Compl. specn. 16 pages

Drg 6 sheets

Int. CLASS: B 65 D 35/00, 35/10, B 32 B 27/32.

165840

IMPROVED LAMINATE OF LAYERS OF POLYPROPYLENE METAL FOIL AND PAPER AND A COLLAPSIBLE PASTE DISPENSING CONTAINER MADE OF SAID LAMINATE.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : EDWARD TAVSS, JOHN SANTALUCIA and VICTOR TEMNIKOW.

Application for Patent No. 1030/Del/85 filed on 5th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved laminate comprising :

- a first layer of a polypropylene;
- a second layer of metal foil;
- a third layer, of paper and a fourth layer of a polypropylene and all layers being bonded by any conventional methods.

Compl. specn. 11 pages

Drg. 1 sheet

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 3. No. 161066. American Home Products Corporation, a corporation organised and existing under the laws of the State of Delaware, U.S.A., of 85 Third Avenue, New York. New York-10017, United States of America. "Tablet Dispenser". 9th June, 1989.

Class 3. No. 161069. Goyal Enterprises, 3420-Shanti Market, Hauz Qazi, Delhi-110006, India, "Bottle Trap". 13th June, 1989.

Class 3. No. 161076. Lakme Limited, of Bombay House, Homi Mody Street, Bombay-400001, Maharashtra State, India, an Indian Company, a "Collapsible Dispenser for Viscous Cosmetics or the like (without cap)". 14th June, 1989.

Class 3. Nos. 161082 to 161084. V.I.P. Industries Limited, Old Prabhadevi Road, Bombay-400025, Maharashtra State, India. "Suitcase". 16th June, 1989.

Class 3. Nos. 161086 to 161088. V.I.P. Industries Limited, 88C Old Prabhadevi Road, Bombay-400025, Maharashtra State, India. "Brief Case". 16th June, 1989.

Class 3. No. 161089. Plastelia (a registered Partnership firm) of 91-Swami Vevekanand Road, Borivli, (West), Bombay-400 092, State of Maharashtra, India. "Comb". 19th June, 1989.

Class 3. No. 161143. Shingar Cosmetics Private Limited, a Company incorporated under the Companies Act, having its registered office at Amrapali Shopping Centre, V. Mehta Road, Juhu Scheme, Bombay-400 049, in the State of Maharashtra, within the Union of India. "Box". 4th July, 1989.

Class 3. No. 161162. Rajesh Bajaj, sole proprietor of Meridian Cosmetics, 42-46-B, Double Storey, Azad Market, Delhi-6, India, an Indian sole Proprietorship concern. "Bottle". 1st July, 1989.

Class 3. No. 161188. Solar Flask, 42, Basti Harphool Singh, Delhi-110006, India. "Flask". 13th July, 1989.

Class 3. Nos. 161308 & 161309. Reva Process Engravers, Reva Estate, Near Sadhana Soap, S. V. Road, Oshiwara Bridge, Jogeshwari (W), Bombay-400 102, Maharashtra, India, an Indian Partnership firm. "Spoon". 18th August, 1989.

Class 3. No. 161144. Hasmukh Mulchand Shah and Manilal Mulchand Shah trading as Industrial & Commercial Traders, a registered partnership firm, having its registered office at Swastick Industries, Chincholi Bunder Road, Off. S.V. Road, Malad (West), Bombay-400064, in the State of Maharashtra, within the Union of India. "Footwear". 4th July, 1989.

Copyright Extended for the Second Period of five years
No. 155437. Class 3.

R. A. ACHARYA
Controller General of Patents, Designs &
Trade Marks